

FIG. 1. (PRIOR ART)

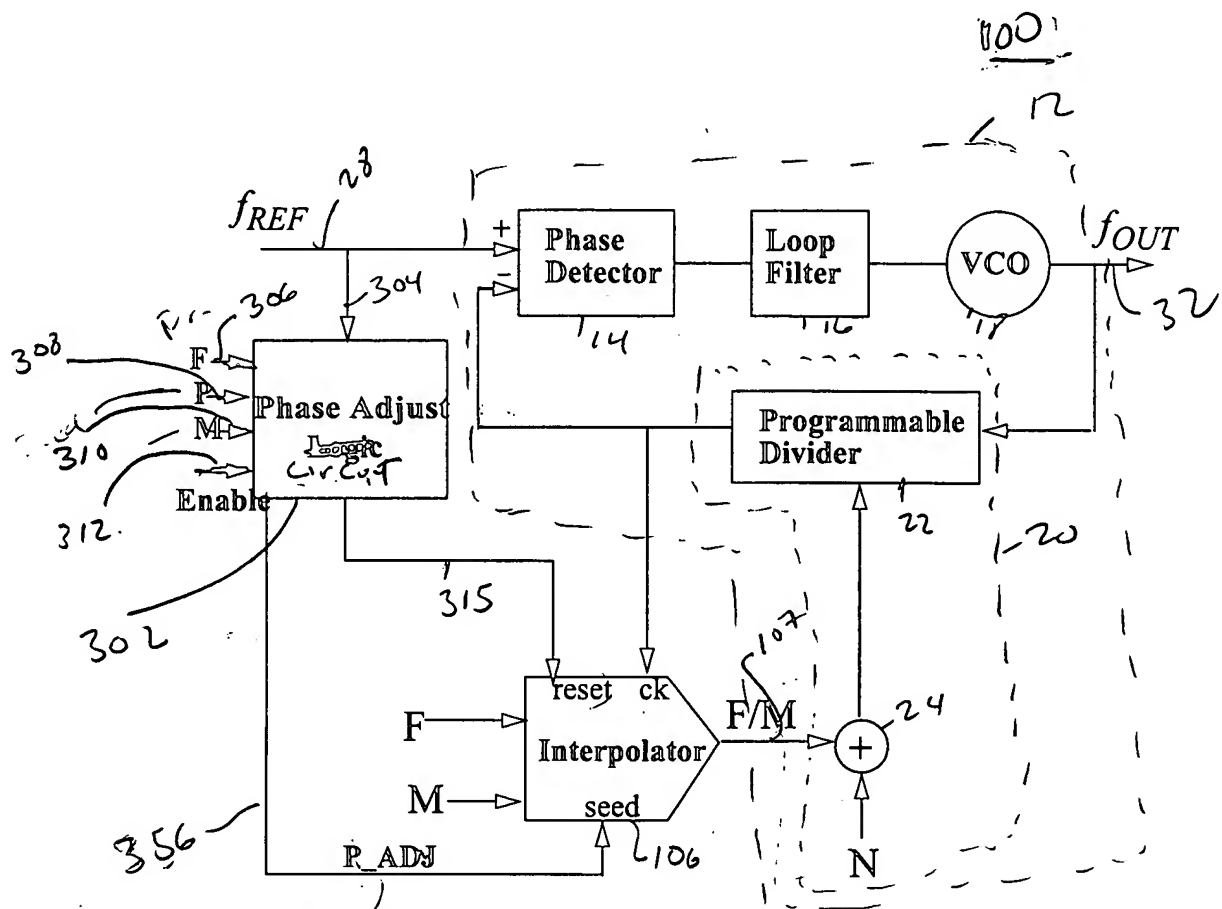


Fig 9: Fractional-N Synthesizer with Phase Adjustment and no-resync

for acc fraction word on every reference cycle
add phase to accumulate fraction
word and output
P-adj

Fig 2,

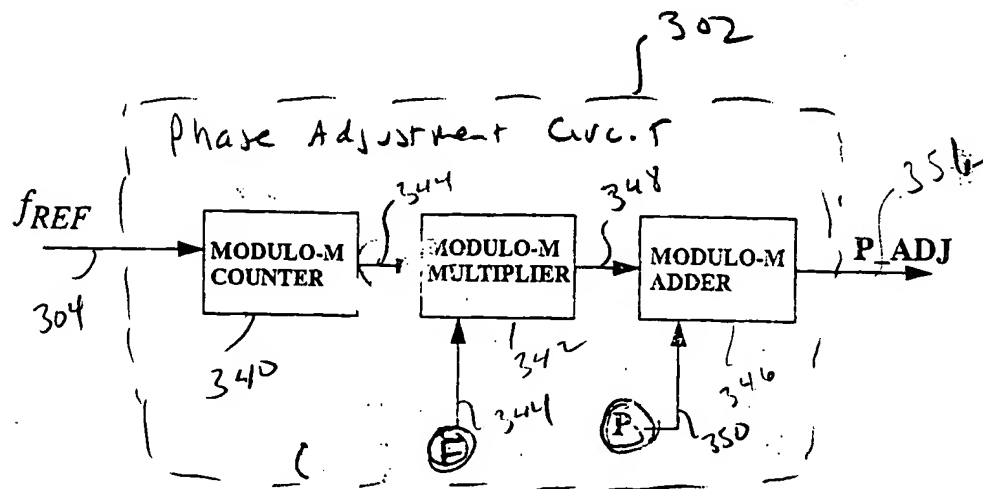


Fig 7: Fractional-N Synthesizer with Phase Adjustment without having to wait for the end of the f_{REF}/M cycle

Fig 3

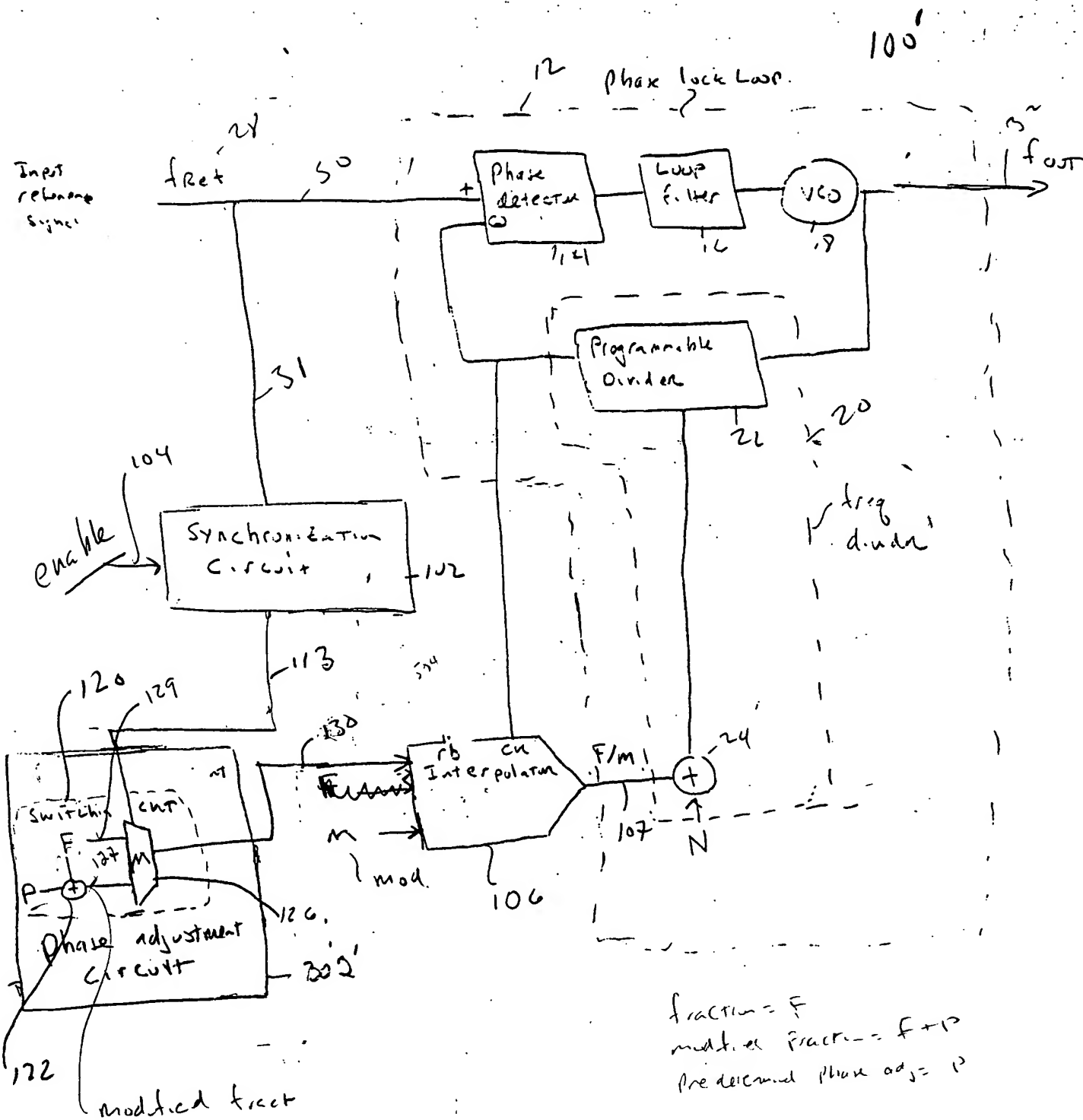


Fig 4

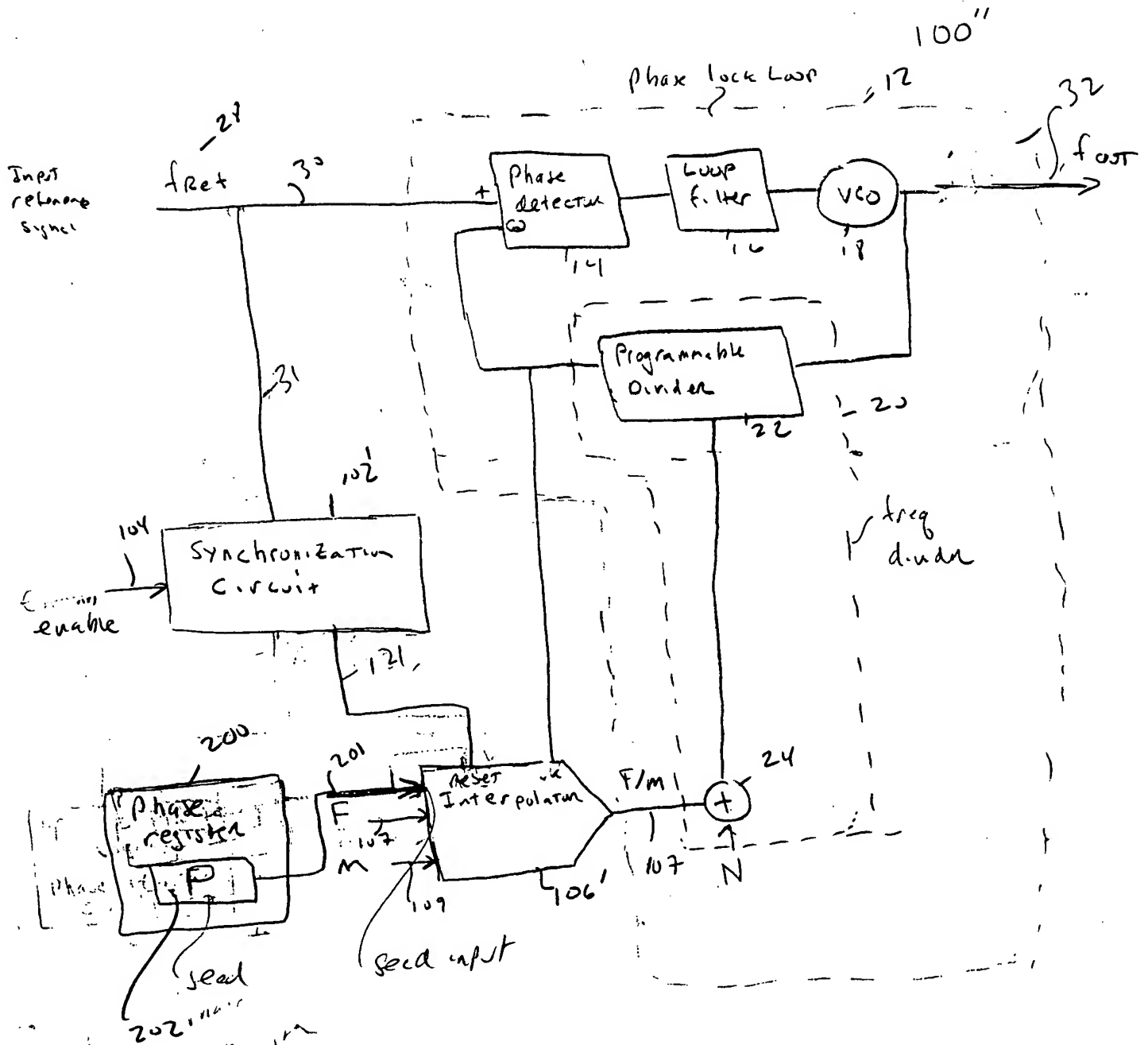


Fig 5